



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/889,160	07/11/2001	Yutaka Yasukura	SEKI-0005	8001

34610 7590 01/19/2005

FLESHNER & KIM, LLP  
P.O. BOX 221200  
CHANTILLY, VA 20153

EXAMINER
----------

PERUNGAVOOR, VENKATANARAY

ART UNIT	PAPER NUMBER
----------	--------------

2132

DATE MAILED: 01/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/889,160

Applicant(s)

YASUKURA, YUTAKA

Examiner

Venkatanarayanan Perungavoor

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 11 July 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) 1-18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 14-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

Claims 1-13 have been canceled as requested by the Applicant, and have been recorded.

#### ***Information Disclosure Statement***

The Information Disclosure Statements have been fully considered and the non-translated disclosures have been considered to the extent understood.

#### ***Claim Rejections 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 14-20,22 rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 5757922 to Shiroshita

3. Regarding Claim 14, The “an electronic information file that is divided into a plurality of information elements, wherein the divided information elements are selected and combined with their order changed to produce two or more information blocks such that, if all of the information blocks are not integrated, then all of the information elements are not included” and “division extraction data is produced in which division information of

Art Unit: 2132

said information elements and formation information of the information blocks are recorded” are met by Shiroshita see Abstract & Column 1 Line 41-60. The “information blocks and the division extraction data are separated so that all of the information may not gather at a time” is met by Shiroshita see Column 2 Line 23-27. The “at least one of information blocks and the division extraction data that were separated is transmitted to and stored into a certification station while the others are stored or transmitted separately” is met by Shiroshita see Column 2 Line 39-43. The “genuineness of said electronic information is to be confirmed, all of the information blocks and the division extraction data including that stored in the certification station are collected and said information blocks are re-divided into the original information elements, re-arranged in the correct order and integrated based on said division extraction data to restore the original electronic information file” is met by Shiroshita see Column 2 Line 50-59.

4. Regarding Claim 15, The “division extraction data is stored or transmitted separately by different means from that with which said information blocks are stored or transmitted” is met by Shiroshita see Column 2 Line 23-27.

5. Regarding Claim 16, The “division extraction data relating to said information elements is annexed for each of said information elements” is met by Shiroshita see Column 2 Line 35-38.

6. Regarding Claim 17, Shiroshita discloses storing of information into an external storage apparatus and this external storage device is disconnected from the system see Figure 8 item 300.

7. Regarding Claim 18, The "plurality of said information blocks are formed, and said blocks are transmitted in a separate state from each other to a recipient together with said division extraction data" is met by Shiroshita see Column 3 Line 36-52.

8. Regarding Claim 19, Shiroshita discloses a division extraction data that includes data for confirmation of the originality of information see Column 6 Line 20-30.

9. Regarding Claim 20, The "one or more index information elements selected from among said information elements is included commonly into a plurality of information blocks, and when the information elements are integrated, the identity of the index information elements included commonly in an overlapping relationship in the different information blocks is verified to confirm the security of the information" is met by Shiroshita see Column 8 Line 25-34 & Column 7 Line 36-43.

10. Regarding Claim 22, The "transfer station is interposed in said transmission means or said second transmission means, and a block of the information to be sent by said transmission means is accommodated into an information package together with destination information and sent to said transfer station, which in turn transfers the

Art Unit: 2132

information block to said recipient based on said destination information" is met by  
Shiroshita see Column 8 Line 25-34 & Column 5 Line 33-35.

***Claim Rejections 35 USC § 103***

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all  
obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claim 21 rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent  
No. 5757922 to Shiroshita in view of U.S. Patent No. 5903734 to Chida.

13. Regarding Claim 21, Shiroshita et al. does not mention the use of second  
transmission means for transmission of electronic information. However, Chida  
mentions the use of having different transmission forms see Column 16 Line 14-23. It  
would be obvious to one having ordinary skill in the art at the time of the invention to  
include an different transmission form in order to provide for circuit switching if one was  
to fail see Column 16 Line 8-13.

**Conclusion**

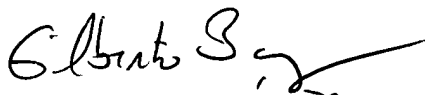
14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to further show the state of art in general:

U.S. Patent No. 5161072 to Ai

U.S. Patent No. 5058162 to Santon et al.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
GILBERTO BARRON JR.  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

Venkatanarayanan Perungavoor  
Examiner  
Art Unit 2132

Application/Control Number: 09/889,160  
Art Unit: 2132

Page 7

VP  
12/27/04